

Title (en)

METHOD AND APPARATUS FOR THE AUTOMATED MANAGEMENT OF A COATING PLANT

Title (de)

VERFAHREN UND VORRICHTUNG ZUR AUTOMATISIERTEN VERWALTUNG EINER BESCHICHTUNGSANLAGE

Title (fr)

PROCÉDÉ ET APPAREIL DE GESTION AUTOMATISÉE D'UNE INSTALLATION D'ENROBAGE

Publication

EP 3607406 A1 20200212 (EN)

Application

EP 18720373 A 20180406

Priority

- IT 201700038298 A 20170407
- IB 2018052394 W 20180406

Abstract (en)

[origin: WO2018185717A1] Plant (1) for manufacturing products, in particular a plant for applying a coating on parts, comprising a plurality of apparatuses (11, 12, 13) characterized in that it comprises: - at least a radiofrequency transmitting device (111, 112, 113), transmitting with a pre-set periodicity a radio signal containing at least a unique identifier, allowing to identify each apparatus (11, 12, 13); - at least a portable device (31, 32) carried by an operator (21, 22) receiving the signals transmitted by the radio-transmitting device (111, 112, 113) embedded in the apparatus (11, 12, 13); - at least a specific program (41, 42) loaded on and performed by said portable device (4) for extracting an univocal unique identifier of said apparatus (11, 12, 13) and detecting the distance operator-apparatus through the analysis of the trend of the radio signal; - the radio-transmitting device (111, 112, 113) being an electronic module operating according to the Bluetooth® standard, performing an active function of transmission known as advertising function of beacon, according to which it transmits periodically its unique identifier and optionally also a part of the measurements recorded by the sensors with which is provided, having at least a remote configuring/setting channel through radio-frequency communication with an external control device with which it can exchange data packets; - a connecting procedure between said portable device (31, 32) and the radio- frequency transmitting device (111, 112, 113), in receiving configuration, to receive information on the working status of said apparatuses (111, 112, 113); said signals being transmitted to a remote server (200), preferably a cloud, for monitoring the working conditions of said apparatuses (11, 12, 13) composing the plant (1).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2018185717A1

Cited by

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